

19971220.qrp v00_n945.qrs.971220

Date: Sat, 20 Dec 1997 19:03:07 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 945

QRP-L Digest 945

Topics covered in this issue include:

- 1) [33221] Good QSO, WA1QVM
by "Miguel" <eaqrp-c@arrakis.es>
- 2) [33222] Re: 1955 Handbook
by "tom palmer" <n1tp@worldnet.att.net>
- 3) [33223] Re: FOX LOG 18-12-97
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 4) [33224] UT5UIA on 7026.5 Now!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 5) [33225] Re: Amazing Incredible Occurance!
by ka7you@juno.com
- 6) [33226] Re: LDG qrp tuner/homebuilt rig.??
by ka7you@juno.com
- 7) [33227] NorCal Paddle in VE3 land
by "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
- 8) [33228] Knightlite SMiTe
by Blackpug1 <Blackpug1@aol.com>
- 9) [33229] AEA DX-handy 10m price reduced
by David Adams <adamsclan@netgate.net>
- 10) [33230] SD Expedition
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 11) [33231] Re: Mystery xtal filter question
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 12) [33232] Scout goes QRP
by Ronald Hands <rhands@hwc.org>
- 13) [33233] modeling loads (and transmission lines)
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 14) [33234] Which?--Icom-II vs Yaesu 900CAT
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 15) [33235] Sooper Service from the NorCal Guys!
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 16) [33236] Re: Scout goes QRP
by "kc1di/dave" <elim@IME.NET>
- 17) [33237] Blessed Holidays
by "kc1di/dave" <elim@ime.net>
- 18) [33238] Merry Christmas
by R Wilkerson <richqrp@home.com>
- 19) [33239] xtal filters

- by Roger Braker <msebrakr@telepath.com>
- 20) [33240] CW for Beginners
by Ron <rong@slip.net>
- 21) [33241] Question on Autotuners
by "j. b. fox" <w5hir@mail.phoenix.net>
- 22) [33242] RE dans order
by "Dean Marzocca" <n2tnn@ifu.net>
- 23) [33243] RE: CW for Beginners
by Yong Ku Cho <sungch@nwlinc.com>
- 24) [33244] Re: Fox: <almost> No fun in Mudville!
by "Dan L. Evans" <dlevans@hsonline.net>
- 25) [33245] Re: PCB repair?
by Leon Heller <leon@lfheller.demon.co.uk>
- 26) [33246] Re: xtal filters
by Stanley Wilson <microres@crl.com>
- 27) [33247] index labs eprom upgrade
by Terres Family <terresfm@ncia.net>
- 28) [33248] Straight Key Night??? FYBO ??
by "ukii" <ukii@megsinet.net>
- 29) [33249] Summary - Power Line Noise
by Chuck Carpenter <w5usj@webwide.net>
- 30) [33250] Re: Straight Key Night??? FYBO ??
by Joe Gervais <vole@primenet.com>
- 31) [33251] "The Great XTAL Swap Page"
by "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
- 32) [33252] FS: Mini Key
by "William C. Robbins" <billrobb@net-link.net>
- 33) [33253] Re: Summary - Power Line Noise
by Stanley Wilson <microres@crl.com>
- 34) [33254] Pixie II's Progress -- week 2
by "JakeCart" <JakeCart@ix.netcom.com>
- 35) [33255] Re: Summary - Power Line Noise
by "George T. Baker" <w5yr@swbell.net>
- 36) [33256] Good DX
by Chuck Carpenter <w5usj@webwide.net>
- 37) [33257] Beginners use QRP?
by Jim Parsons <k5rov@worldnet.att.net>
- 38) [33258] Re: Straight Key Night??? FYBO ??
by DENNIS MO <DENNISMO@aol.com>
- 39) [33259] FS Filter frenzy
by Robsparks <Robsparks@aol.com>
- 40) [33260] Re: Beginners use QRP?
by Dan Hogan <dhhogan@lightside.com>
- 41) [33261] BATTERY PACKS AND AIRLINES???
by "Greg Heath-kb2qqm" <kb2qqm@email.msn.com>
- 42) [33262] Re: Straight Key Night??? FYBO ??
by R Wilkerson <richqrp@home.com>
- 43) [33263] ,GX+YCR: Summary - Power Line Noise

- by "Earl W. Murphy" <aa385@gpfn.sk.ca>
- 44) [33264] FOX: N/T Fox Results Dec 20, W2MBY
by W2MY & W2MBY <n2mnn@spacegate.com>
- 45) [33265] Re: Beginners use QRP?
by "Floyd Soo, W8R0" <hires@rust.net>
- 46) [33266] Re: Straight Key Night??? FYBO ??
by Joe Gervais <vole@primenet.com>
- 47) [33267] Re: Straight Key Night??? FYBO ??
by Joe Gervais <vole@primenet.com>
- 48) [33268] Beginners and QRP
by David Smith <qrp-dave@ocsnet.net>
- 49) [33269] help ordering crystal
by jalbertin@juno.com (Jerry Albertin)
- 50) [33270] 38S Compendium
by PGSPersEng <PGSPersEng@AOL.com>
- 51) [33271] Re: Beginners use QRP?
by launerb@crl.com (William H. Launer)
- 52) [33272] LONG (but GOOD) Reply Was: Beginners use QRP?
by "Paul R. Valko" <prvalko@oakland.edu>
- 53) [33273] Beginner's Guide to Making CW Contacts
by ki7mn@dancris.com
- 54) [33274] Re: FOX: N/T Fox Results Dec 20, W2MBY
by ki7mn@dancris.com
- 55) [33275] Want Info on NW80 Kit
by David Ward <dward@kos.net>
- 56) [33276] Re: FOX: N/T Fox Results Dec 20, W2MBY
by Roger Hightower <n7kt@earthlink.net>
- 57) [33277] It's the time of the season... for a group buy!
by bruce muscolino <w6toy@pop.erols.com>
- 58) [33278] PSPICE and Micro Cap V
by "Johnson" <johns516@maroon.tc.umn.edu>
- 59) [33279] Re: help ordering crystal
by Monte Stark <ku7y@sage.dri.edu>
- 60) [33280] Safety Manager
by "Ron Polityka" <wb3aal@talon.net>
- 61) [33281] Re: Beginner's Guide to Making CW Contacts
by "Ron Smith" <resmith@primenet.com>

Date: Sat, 20 Dec 1997 01:41:11 -0000
From: "Miguel" <eaqrp-c@arrakis.es>
To: <qrp-1@Lehigh.EDU>
Subject: [33221] Good QSO, WA1QVM
Message-ID: <199712200036.BAA06233@mx1.landsraad.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Hello all:

Hello Joel:

Thanks for very nice qso in 7.040
Mi rig Argonaut 515, 4 watts and dipole
I hope meet you again soon, I QRV all nigh in 7.030 alternate 7040.

Merry Chritsmas and happy new year all list.

72

Miguel Montilla, EA3EGV mailto:eaqrp-c@arrakis.es

EA QRP # 1 G QRP # 3540 NorCal # 620 I QRP # 115

EA QRP Club
P.O.Box 2096
08200 Sabadell
Barcelona-Espa a WEB SITE: <http://www.eaqrp-c.arrakis.es>

Date: Fri, 19 Dec 1997 07:55:23 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: <Harvey1@outadaloop.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33222] Re: 1955 Handbook
Message-ID: <19971220005515.AAA20423@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

John, w2mby, on 7.141 w/big sig (for QRP) in FL. N!TP

> From: Harvey Laidman <Harvey1@outadaloop.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: 1955 Handbook
> Date: Friday, December 19, 1997 4:58 PM
>
> I believe someone was looking for a 1955 ARRL Handbook - I just ran
> across one -
> Do you still need it?
> Harvey, W8DX
>
>
> --

> ---Harvey1@outadaloop.com -- URL: HTTP://outadaloop.com---
>
>

Date: Fri, 19 Dec 1997 13:06:00 -0600
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: ke3nv@erols.com, qrp-1@Lehigh.EDU
Subject: [33223] Re: FOX LOG 18-12-97
Message-ID: <M1073033.001.gdr0.1.971219201851Z.CC-MAIL*/OU=SATCG/OU=AZBH/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Hi Scott!

>Well folks, here is my log for 18/12/97 0200-0400z.
>If I have made any typos please let me know.

>0331 N7VE 559 559 AZ Dave 5w

The name is actually Dan. I also think AB7TT's name is really Bubba, not Joe (Hi!).

Thanks much for sticking with me for the contact. The crowd was a bit unruly, but it did not help that I was getting some RF feedback into my HB rig. It started when I put up my fixed position 40m quad. I aimed it to the east and a bit north since my toughest foxes are on the east coast (like you!). Top is about 30 ft high, bottom is about 5 ft up, but it works ***much*** better than the 500 ft horizontal loop for further out QSOs such as yours.

The Quad is about 10 ft from the house, and although the SWR is flat, I get some instability when running full 5w that I do not get from the loop. Oh well.... I have two weeks off to look into it.

I heard you calling earlier VE? VE?... I just had problems getting the transmitter to behave to get back to you. It had been performing fine all night (you had a good signal here all night), and, when it really counted, I think it simply objected to firing upon a furry critter.

Thanks Scott for an exciting hunt!

- Dan Tayloe, N7VE, Phoenix, Az, AZ ScQRPions, QRPL # 696

Date: Fri, 19 Dec 1997 20:31:03 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [33224] UT5UIA on 7026.5 Now!
Message-ID: <199712192034_MC2-2CA3-4809@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Just worked Serge UT5UIA in Kiev UKRAINE at 0054. Freq = 7026.5. Heard him signing...and he came right back to my 5 watts. RST both sides was 569.

Anyway...he was calling CQ just after our QSO. I am not in the shack any more, but why not give it a whirl?! Good luck, one and all.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/19/97 = 20. The FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Fri, 19 Dec 1997 21:09:34 EST
From: ka7you@juno.com
To: slmachco@fix.net
Cc: qrp-l@Lehigh.EDU
Subject: [33225] Re: Amazing Incredible Occurance!
Message-ID: <19971219.182006.20303.0.KA7YOU@juno.com>

Doug,

I've been watching this thread with interest for some time now, but I

seem to have missed the beginning. I was off the group list for a while this fall. How much are they? and can you repeat an old post giving the details?

Thanks.

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

On Fri, 19 Dec 1997 10:21:27 -0800 (PST) doug hauff <slmachco@fix.net> writes:

>First batch of 38 Special Enclosures back from anodizers, in work on
>last
>setup(engraving), will ACTUALLY BEGIN SHIPPING TOMORROW!!! !!! !!!
>Honest! No kidding!(and they look Excellent!!)72 Doug KE6RIE
>
>
>

Date: Fri, 19 Dec 1997 21:09:34 EST
From: ka7you@juno.com
To: kb2qqm@email.msn.com
Cc: qrp-1@Lehigh.EDU
Subject: [33226] Re: LDG qrp tuner/homebuilt rig.??
Message-ID: <19971219.182006.20303.1.KA7YOU@juno.com>

Gregory,

I remember reading a post, many months ago, about that, but I'm afraid I don't have it any more.

I think it might have gone into a wilderness Sierra, but that is just a hunch. Maybe someone else will remember it, or you might ask the guys at LDG. They might be aware of it too.

Sorry I couldn't help more.

73,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

On Fri, 19 Dec 1997 12:55:27 -0500 "GREGORY HEATH"

<kb2qqm@email.msn.com> writes:

>Hi gang,,,,,has anybody built an ldg qrp tuner into an existing
>multiband
>qrp rig. i am interested, since i travel alot and dont like to carry
>separate boxes, around. Just an idea to save space.
>
>
>
>

>
>

Date: Fri, 19 Dec 1997 21:11:37 -0500 (EST)
From: "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
To: Multiple Recipients of List <qrp-1@Lehigh.EDU>
Subject: [33227] NorCal Paddle in VE3 land
Message-ID: <Pine.A41.3.96.971219210728.58056A-100000@NiagaraNet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I received my NorCal paddles in about 6 days too. Tonite was my first day off in many days so I started to work on it. Other than a few minor observations (a little slop in the bearing [not a big deal] and the mounting holes for the centre assembly being drill too deep [may create a bigger problem with a hole in the top when I go to finish it, I hope not] it looks real good.

I had the steel base ground flat, and will shortly begin to finish the brass. Looks like I will at least start looking for a satin finish, but may change my mind when I see how it looks.

I will give you my final report/observations when I finish tonite. Best thing about working midnights is all the free time when you have a day off. Nobody around to disturb you at 3 or 4 in the morning.

73/72

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

=====

L. JEFFREY HETHERINGTON

Niagara Falls, Ontario, Canada

E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Fri, 19 Dec 1997 21:43:05 EST
From: Blackpug1 <Blackpug1@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [33228] Knightlite SMiTe
Message-ID: <8e61a6ae.349b30bb@aol.com>
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Is the SMiTe available yet? If so, let me know where I can get one.

Thanks.

Michael Forinash
KBORIA

Date: Fri, 19 Dec 1997 19:00:25 -0800
From: David Adams <adamsclan@netgate.net>
To: qrp-l@Lehigh.EDU
Subject: [33229] AEA DX-handy 10m price reduced
Message-ID: <349B34C9.8A63BF17@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings! I did some checking and my price was a bit high. I wanna buy a new toy so:

AEA DX handy crystallized for 28.250-28.350. CW/SSB. includes 10m whip antenna and crummy AEA manual (it's xerox).

Price \$150 plus shipping. If you are in the Bay area and want to come pick it up in Mountain View, I'll knock that to \$125...I wanna buy a new toy NOW!

73 de dave, n9uxu
(650) 967-1451

--
David J Adams, N9UXU adamsclan@netgate.net
Amateur Radio, Flow Cytometry, Digital Photography and Parrot enthusiast

<http://u1.netgate.net/~adamsclan>

Date: Fri, 19 Dec 1997 21:17:46 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ"

<70511.3041@compuserve.com>
Subject: [33230] SD Expedition
Message-ID: <199712192121_MC2-2CA5-238B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Many thanks for so *MANY* replies from QRPers needing SD (and a couple who need ND). Wow!--never knew how rare those two states are! (I still need them, myself.)

So here's the deal: I am driving to Burghardt's in Watertown SD, tomorrow morning. Leaving home at 0530. Trip is about 4.5-5.0 hours.

As soon as we have worked out the equipment deal...I will go on 20 metres until they close at 1900Z (= 1300CST). They happily agreed to let me hook onto their store antennas :-).

Will plan on being as near to 14.060 as possible. Begin +/- 1700-1900Z. Hope this will be doable for everyone. Some other time I will try an overnight when we can go on 40 metres. Maybe do it in both states.

For now, sadly, I cannot spend the time to go on to ND. Too many Christmas guests coming from Norway and Ukraine. But I might be able to go over (about an 8-hour drive) later during the holidays--partly depending on the WX.

So let's hope all this comes together for us. A number of variables are at play. But hopefully all this will be like clockwork.

See you tomorrow?!

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/19/97 = 20. The FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Fri, 19 Dec 1997 15:35:00 -0600
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: qrp-1@Lehigh.EDU, Jerome_Peters@el.nec.com
Subject: [33231] Re: Mystery xtal filter question
Message-ID: <M1075807.004.gklv3.1.971219224655Z.CC-MAIL*/OU=SATCG/OU=AZBH/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

> I would appreciate any helpful advice on determining the input
> and output impedance of a xtal filter.

> I do have an O'scope, frequency counter and RF test oscillator.

>1) Do I have to be careful not to drive the filter to hard(do
> xtal filters break?). How to measure the signal Voltage,
> current, or power?

>2)Can I use a simple resistor divider to match the
> oscillator's output impedance to the filter? If so, how
> do I determine the correct value - can you tell by looking
> at the in/outputs with a scope?. Is the input impedance the
> same as the output?

> 3)Are there some common values that I should try first?

> Jerome Peters KC6ENE

Jerome:

I think I recall that this filter is being used to replace a
filter in an existing rig? If so, that is where it is easiest
to test it. You do want a small signal into the filter, and a large
output signal to monitor with a scope. What better test bed than a
real receiver?

Simply use two small runs of mini coax to connect the filter to the
rig. Make sure rig's the AGC is off or disabled!

The exact input and output impedance of the filter is not as important
as the insertion loss and shape of the filter. This is easiest to
perform using a sweeping RF generator and watching the audio output
with a scope. I built my own 4 MHz swept osc just for the purpose of
making this measurement on 4 MHz filters.

If you are using a ladder crystal network, I suggest an output trimmer cap to ground, and a trimmer cap to the IF amp. These should have a value equal in range to what the ladder Cap calls for. Adjust both one at a time for the best shape. You do not really care what the output impedance of the filter is so much as you care that the filter is matched into the next stage and that the shape of the filter looks good.

Likewise, by changing a series resistor into the filter, you can watch the effect of the input loading on the shape of the filter. Pick what works best. The desired filter input impedance can be determined by measuring the series input resistance added. Then set the RF signal at the center of the filter and increase the input resistance until you see the audio output voltage drop to half its previous value. Measure the resistance again. The increase in the series resistance should equal the desired filter input impedance.

This will mean tweaking three things at once. But the alternative is building some crystal measurement equipment (which I want to do "someday real soon"), determining L_m (Motional inductance), C_m (Motional cap), series R, and crystal holder cap, running some filter synthesis software, and predicting exactly what to do.

Beware! Doing frequency sweeping measurements is easier with SSB filters than narrow CW filters! Since SSB filters are wide band (at least to a CW op!), the rise filter rise time is faster and the filter can be swept at a higher rate. A 30 Hz to 100 Hz sweep rate is kind to the eyes. However, with narrow CW filters, you need to sweep more slowly 5-10 Hz?) so that the slower rise time of the narrow CW filter doesn't effect the shape of what you are seeing on the scope. Otherwise the filter may look less sharp than it really is.

The input signal does matter. I found that the shape of my filter changed if driven too hard. This appeared to be due to a change in the input impedance of my MC1350 IF amps as they became severely over driven. Remember, in a receiver, you most likely have 60-80-100 DB of amplification behind that filter. A good lab 80 db attenuator would be ideal for a measurement like this. For swept frequency tweaking you probably don't even need to connect the generator into the receiver! Patch cord antenna for the generator, patch cord antenna for the receiver.....

Default values? If this is to be a CW filter, the filter impedance should be in the 100 to 300 ohm range. For SSB filters, the impedance will be higher, although I have not made any SSB filters myself.

- Dan Tayloe, N7VE, Phoenix, AZ, Az ScQRPions, QRPL # 696

Date: Fri, 19 Dec 1997 22:09:22 -0500 (EST)
From: Ronald Hands <rhands@hwcen.org>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [33232] Scout goes QRP
Message-ID: <Pine.GS0.3.96.971219220654.1217A-100000@james.freenet.hamilton.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've recently completed a modification to my TenTec Scout to allow instant QRP operation. It's the one originally suggested by David, K10PQ, and it's so easy to do and works so well I thought others might be interested if they missed the original description. It allows a change from full 50 watt output to less than 5 watts at the flip of a switch.

As all Scout owners know, the rig as it comes from the factory has an arrangement for changing the power output that is both primitive and frustrating. It involves probing through a hole in the bottom of the case with a small screwdriver in the hope of making contact with the power control pot, R21.

Others have suggested complicated modifications, such as moving the potentiometer to a spot outside the case, but this involves removing the existing pot from the PC board and running a ribbon cable.

David's modification is so simple that almost any klutz (me included) should be able to handle it. It requires a 390 ohm resistor, a small SPST switch similar to the one on the rear panel of the Scout that's already used for switching between power output and SWR readings, and a length of #26 solid insulated wire, or something close. I found it best to leave the top cover of the rig in place while working on the bottom side and to place a towel on the workbench to protect the finish.

The power control potentiometer is not hard to find. The hole in the bottom of the case points straight to it! However, it took some headscratching (how to connect? how to connect?) before I discovered that the pot is mounted an eighth of an inch or so above the circuit board. This means there's just enough room, using a fine-tipped soldering iron, to put a little solder on the wiper of the pot and then loop the pre-tinned end of the #26 wire around the wiper and solder it, quickly, in place. (Note: if you don't have a soldering iron with a suitable tip, don't attempt this project!)

That's the hard part. Now drill a hole for the switch in the back panel. I found mine fitted nicely just below the SWR

switch and above the power connector. I drilled a small lead hole, using a hand drill, and then carefully enlarged it, one size at a time, with an electric variable speed drill, eventually reaching the quarter-inch size needed for the switch. Be sure to get rid of all the drill shavings.

The next step is to cut the other end of the wire which you previously soldered to R21 to a suitable size to reach the switch when it is mounted, strip a quarter inch or so of insulation and solder to one terminal of the switch. Solder one end of the 390 ohm resistor to the other switch terminal. Cut the leads to a suitable length so that the free end of the resistor can be soldered to a nearby ground lug after you've mounted the switch on the back panel (a real test of dexterity). Use spaghetti on the leads, if desired.

That's it. Set the pot so that the rig shows full power on the "high" position of the switch. When the switch is thrown the other way, my power output drops to about 4.5 watts.

Ron VE3SP
Hamilton, Ontario
rhands@hwcnc.org
QRP #464 CQC #362 ARRL

Date: Fri, 19 Dec 1997 22:08:39 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [33233] modeling loads (and transmission lines)
Message-ID: <Pine.SOL.3.94.971219220011.11398H-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In answer to some disparate requests, I have placed the start of a new series of items at the site. They are for newer antenna modelers and deal with modeling loads both in R+/-jX and in RLC form. Additional parts will deal with modeling transmission lines, but that will likely have to wait until after the holiday season.

The notes are designed as instructional and give attention to the standard

NEC input file and to NEC-Win Pro and to EZNEC forms of data input for loads. Some examples cover basic info on the chief applications of each load form/type, as well as necessary external calculations that might be needed.

Look in the master index under antenna modeling for modeling loads and transmission lines.

I hope the material is useful to some.

-73-

LB, W4RNL

L. B. Cebik, W4RNL /\ /\ * / / / (Off) (423) 974-7215
1434 High Mesa Drive / \ \ \ ----/\--- (Hm) (423) 938-6335
Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ || cebik@utk.edu
 URL: <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

Date: Fri, 19 Dec 1997 21:36:43 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [33234] Which?--Icom-II vs Yaesu 900CAT
Message-ID: <199712192140_MC2-2CA1-7C9C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Thanks one and all for the enormous number of detailed and thoughtful replies to my post. It is gratifying to hear from so many fellow QRPers.

Please forgive me for not replying individually--but there have simply no time :-(.

Happy Holidays to one and all! See you on the bands. Speaking of

which...I hope to operate on 20 metres tomorrow from about 1700-1900Z on
or about 14.060 +/- QRM. QTH--Burghardt's in Watertown, SD. Sorry it
could not be at night on 40 metres--but maybe sometime during the
upcoming holidays. We'll see.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/19/97 = 20. The FOX 11/25/97.

Icom 751A Omni V Corsair I Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Timewave 599zx Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Fri, 19 Dec 1997 22:24:38 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [33235] Sooper Service from the NorCal Guys!
Message-ID: <85256573.00124145.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

These guys are just amazing. Even here with the holidays upon us, I mailed
them a check for another paddle kit on Dec 9 and the kit got here today.
That's just great!!

Now...do I want to make this one presentation or utility grade? The one
I've been using is all nice and shiny. Oh, thought I would mention that a
brown base color really complements the brass for those who are interested.

May everyone on QRP-L have a very Merry Christmas!

72, Watson/WB4EXW

Date: Fri, 19 Dec 1997 22:30:10 -0500
From: "kc1di/dave" <elim@IME.NET>

To: <rhands@hwcen.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33236] Re: Scout goes QRP
Message-ID: <000a01bd0cf7\$94a15b60\$36c65ad1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks for the posting Ronald,

I also modified my scout , used a ten k miniature pot with a 1/4" shaft that is mounted through the whole in the bottom cover. (hole has to be drilled little bigger.) Now have complete control of power anywhere from 2.5watts to 50watts. disadvantages are

1. Requires drilling bigger hole.. (for purist the may not be an option)
2. The shaft of the pot stick through the bottom cover and thus the tip up bail must be left in the down postion.
3. Requires removing original 10k pot from circut board and inorder to do this you must remove the board from the rig.
4. Requires careful unsoldering and soldering.
5. I'd do it again because it works great...

Hope this gives some another approach..
73 dave Kc1di

-----Original Message-----

From: Ronald Hands <rhands@hwcen.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, December 19, 1997 10:10 PM
Subject: Scout goes QRP

> I've recently completed a modification to my TenTec Scout to
>allow instant QRP operation. It's the one originally suggested
>by David, K1OPQ, and it's so easy to do and works so well I
>thought others might be interested if they missed the original
>description. It allows a change from full 50 watt output to less
>than 5 watts at the flip of a switch.

> As all Scout owners know, the rig as it comes from the
>factory has an arrangement for changing the power output that is
>both primitive and frustrating. It involves probing through a
>hole in the bottom of the case with a small screwdriver in the
>hope of making contact with the power control pot, R21.

> Others have suggested complicated modifications, such as

>moving the potentiometer to a spot outside the case, but this
>involves removing the existing pot from the PC board and running
>a ribbon cable.

> David's modification is so simple that almost any klutz (me
>included) should be able to handle it. It requires a 390 ohm
>resistor, a small SPST switch similar to the one on the rear
>panel of the Scout that's already used for switching between
>power output and SWR readings, and a length of #26 solid
>insulated wire, or something close. I found it best to leave the
>top cover of the rig in place while working on the bottom side
>and to place a towel on the workbench to protect the finish.

> The power control potentiometer is not hard to find. The
>hole in the bottom of the case points straight to it! However,
>it took some headscratching (how to connect? how to connect?)
>before I discovered that the pot is mounted an eighth of an inch
>or so above the circuit board. This means there's just enough
>room, using a fine-tipped soldering iron, to put a little solder
>on the wiper of the pot and then loop the pre-tinned end of the
>#26 wire around the wiper and solder it, quickly, in place.
>(Note: if you don't have a soldering iron with a suitable tip,
>don't attempt this project!)

> That's the hard part. Now drill a hole for the switch in
>the back panel. I found mine fitted nicely just below the SWR
>switch and above the power connector. I drilled a small lead
>hole, using a hand drill, and then carefully enlarged it, one
>size at a time, with an electric variable speed drill, eventually
>reaching the quarter-inch size needed for the switch. Be sure to
>get rid of all the drill shavings.

> The next step is to cut the other end of the wire which you
>previously soldered to R21 to a suitable size to reach the switch
>when it is mounted, strip a quarter inch or so of insulation and
>solder to one terminal of the switch. Solder one end of the 390
>ohm resistor to the other switch terminal. Cut the leads to a
>suitable length so that the free end of the resistor can be
>soldered to a nearby ground lug after you've mounted the switch
>on the back panel (a real test of dexterity). Use spaghetti on
>the leads, if desired.

> That's it. Set the pot so that the rig shows full power on
>the "high" position of the switch. When the switch is thrown the
>other way, my power output drops to about 4.5 watts.

>

>Ron VE3SP
>Hamilton, Ontario
>rhands@hwcnc.org
>QRP #464 CQC #362 ARRL

>

>

>

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>

Date: Fri, 19 Dec 1997 22:40:04 -0500
From: "kc1di/dave" <elim@ime.net>
To: <qrp-1@Lehigh.EDU>
Subject: [33237] Blessed Holidays
Message-ID: <001e01bd0cf8\$f609c4e0\$36c65ad1@default>
MIME-Version: 1.0
Content-Type: multipart/related;
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This is a multi-part message in MIME format.

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Content-Type: multipart/alternative;
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-----=_NextPart_001_0019_01BD0CCF.0C6A5260
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

>From My Shack to Yours wishing you all the very best of the Holiday =
Season and a very nice Qrp New year!

73 & 72 Dave KC1DI/QRP

Wisemen Still seek Him.

-----=_NextPart_001_0019_01BD0CCF.0C6A5260
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 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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wishing you all=20
the very best of the Holiday Season and a very nice Qrp New=20
year!</DIV>
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72 Dave=20
KC1DI/QRP</DIV>
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Date: Fri, 19 Dec 1997 19:48:39 -0800
From: R Wilkerson <richqrp@home.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [33238] Merry Christmas
Message-ID: <349B4017.7C27767F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would like to wish everyone on the net a very Merry Christmas
and the Best of the New Year.

--

Happy Holidays
Rich Wilkerson / WD6FDD / Santee, CA.
73's & 72's

Date: Fri, 19 Dec 1997 23:09:21
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [33239] xtal filters
Message-ID: <3.0.1.16.19971219230921.43270f4c@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I want to replace the 9 mhz ., 2.7 khz BW I.F. filter in my galexxy V. I want to use the cascading xtal filter approach. My question is:

- (1) How do I know what imeadance the filter needs to be
and then
determine how to make the filter that impedance.
- (2) How do I determine the value for the caps that go between the
xtals?
- (3) How do I determine the BW? I'm shooting for 500 hz with.
- (4) The xtals are all supposed to be at 9 mhz for a 9 mhz filter, right?

Thanks for any help you guys can provide.

73,
Arnold kd5ckh

Date: Fri, 19 Dec 1997 21:24:27 -0800
From: Ron <rong@slip.net>
To: qrp-l@Lehigh.EDU
Subject: [33240] CW for Beginners
Message-ID: <349B568B.2D1E@slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I deleted an email that I wanted to keep..Could somebody forward me a recent posting that was called "CW For Beginners" or something like that?

Date: Fri, 19 Dec 1997 22:34:27 -0600
From: "j. b. fox" <w5hir@mail.phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [33241] Question on Autotuners
Message-ID: <3.0.1.32.19971219223427.006962e8@mail.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone using the ICOM706 and autotuner, I would like to ask several questions about the seek function from the ICOM706 to the autotuner. I presently have a Motorola Autotuner which I would like to use. As far as I can tell, it uses a negative going pulses of .5sec duration to cause the unit to begin the seek process. What does the ICOM autotuner require on "band change tune"??

I could sure use the information.. Thanks

Foxy w5hir@mail.phoenix.net

Date: Fri, 19 Dec 1997 23:39:48 -0500
From: "Dean Marzocca" <n2tnn@ifu.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [33242] RE dans order
Message-ID: <199712200445.XAA01580@ifu.ifu.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

On Fri, 19 Dec 1997 ckrelic@usaor.net wrote:

> Never dealt with Dan's before and must ask, is it always
> this hard to get in touch with them? Ordered weeks ago
> and nothing heard. Time of year maybe?

>My experiences with Dan's has always been good service ... i.e.,
>a week later I've got my stuff. I ordered some stuff from his winter
>special (for my 2N2 rig) when it was announced (mid-November?) and I've
had

>the stuff for two weeks.

>

>I'd contact him ASAP regarding your order. He probably never got it.

>The USPS *still* looses mail now and again :-(

>

>72, Paul NA5N

I put an oreder in this Nov and it took four weeks to get here. A note from Dan in the box contained an apology for the delay and he expressed his thanks for my patience, they are very busy "on overload" as Dan put it. I am very pleased with him this far. Plain old good service. Sit tight for a few more days.

72/73 Dean N2TNN NJ
n2tnn@ifu.net

Date: Fri, 19 Dec 1997 21:27:40 -0800
From: Yong Ku Cho <sungch@nwlink.com>
To: "'rong@slip.net'" <rong@slip.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33243] RE: CW for Beginners
Message-ID: <01BD0CC5.2C4EE320@ip153.m7.nwlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

My favorite site is <http://www.dutch.nl/wilbwk/index.htm>
I'm not sure this is what you looking for but it will help you.

-----Original Message-----

From: Ron [SMTP:rong@slip.net]
Sent: Friday, December 19, 1997 9:24 PM
To: Low Power Amateur Radio Discussion
Subject: CW for Beginners

I deleted an email that I wanted to keep..Could somebody forward me a recent posting that was called "CW For Beginners" or something like that?

Date: Tue, 16 Dec 1997 13:33:00 -0500
From: "Dan L. Evans" <dlevans@hsonline.net>
To: qrp-1@Lehigh.EDU
Subject: [33244] Re: Fox: <almost> No fun in Mudville!

Message-ID: <3.0.1.16.19971216133300.48e71d46@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

What a great idea! I'm sure you could build a very valuable data base from the info on this list.

And I think we all owe you a pat on the back for undertaking such an endeavor.

72/73 de Dan, N9RLA....QRP MOBILE CONTESTOR!

>At 11:14 AM 12/19/97 -0700, you wrote:

>>Well Ed, since you brought it up...

>>

>>I have had the idea of compiling selected topics from this list (ie. NorCal
>>Paddles) into a text file and making that file available via e-mail request.
>>Ed was kind enough to start me out on this project with his 38S E-mail
>>Compendium. The file is about 96K long and maybe had automatically by
>>sending e-mail to resmith@primenet.com with the subject :38S. The ':' was
>>put in to make the request more automatically recognizable by my system.
>>Currently there are just two files available, :index and :38S. After the
>>holidays I will start the process of sorting messages and add the results to
>>the index.

>>

>>I would add that my system checks for e-mail every 20 minutes so if you
>>request Ed's 38S Compendium, please be patient. Once your e-mail is
>>received, my system will automatically note your request and forward
>>whichever file you requested on the next mail check.

>>

>>Happy Holidays to all...

>>

>>72

>>

>>Ron Smith

>>-----

>>Amateur Radio Callsign: KD7VD

>>Southwest Idaho

>>E-mail: resmith@primenet.com

>>QRP-L #1291

>>-----

>>

>>

>>>band wasn't behaving. Click and read the
>>>book of 38Speial modds I've recently compiled.
>>>January, February, March, and combined them with

>>>my "since April" 38 special compendium.

>>

>>

>>

>>

>>

Dan L. Evans [N9RLA].....EM78

CQ_DE_dlevans@hsonline.net

Remove the cq_de_ to email me, I hate SPAM!

Date: Sat, 20 Dec 1997 06:11:08 +0000

From: Leon Heller <leon@lfheller.demon.co.uk>

To: jskalski@acsu.buffalo.edu

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [33245] Re: PCB repair?

Message-ID: <WDIRWDA8F2m0EwaY@lfheller.demon.co.uk>

MIME-Version: 1.0

In message <Pine.GS0.3.96.971219130752.28100A-1000000@joxer.acsu.buffalo.edu>, "J. Skalski" <jskalski@acsu.buffalo.edu> writes

>

>So you are working on a PCB...you suspect a bad component. You proceed to
>desolder the part and as you are lifting the part off the board you notice
>a cylindrical piece of copper on the lead.

>Intuition tells you that can't be a good thing. You have lifted out a
>plated through hole !

>

>Any gems on repair of such items. It is a double sided board.

>

>On a related item. Any sources of PCB pins? .039" I used them on the SW40
>kit and think I would like to have more for other boards/projects.

Farnell stocks them.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>

Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424

See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850

DDS system - schematic and software.

Date: Sat, 20 Dec 1997 01:14:42 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: Roger Braker <msebrakr@telepath.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33246] Re: xtal filters
Message-ID: <Pine.SUN.3.91.971220010939.12218A-1000000@crl6.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 19 Dec 1997, Roger Braker wrote:

> Hi Guys,
> I want to replace the 9 mhz ., 2.7 khz BW I.F. filter in my galexxy V. I
> want to use the cascading xtal filter approach. My question is:
>
>
> (1) How do I know what impeadance the filter needs to be
and then
> determine how to make the filter that impedance.
>
> (2) How do I determine the value for the caps that go between the
xtals?
>
> (3) How do I determine the BW? I'm shooting for 500 hz with.
>
> (4) The xtals are all supposed to be at 9 mhz for a 9 mhz filter, right?

> Arnold kd5ckh
>

Arnold I would start with a copy of ARRL's QRP Power Book. At present Kanga-USA has a special price (\$12 including shipping) on this book. It has a reprint of an article in QEX January 1995 on designing and building high-performance crystal ladder filters. Also in one of the early years of QRPp there was an article (software pgm) that you will want to track down.

Most xtal filters I believe will be about 400 to 500 ohms input and output impedance that you will find on the market. Hopefully you will get better input on that from someone on the list.

73, de stan ak0b

Date: Sat, 20 Dec 1997 07:53:47 -0800
From: Terres Family <terresfm@ncia.net>
To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [33247] index labs eprom upgrade
Message-ID: <349BEA0B.6ED6@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does any one know if there is still any way to update the eprom in a
Index Labs QRP++?

Or any way to actually get in touch with them?

TIA

Jerry AA10F

Date: Sat, 20 Dec 1997 07:22:39 -0600
From: "ukii" <ukii@megsinet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [33248] Straight Key Night??? FYBO ??
Message-ID: <01bd0d4a\$586077a0\$194e85d0@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0006_01BD0D18.0DC607A0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0006_01BD0D18.0DC607A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Greetings and salutations Gang.
Well,been a while since I have had time to read some of the mail,let =
alone play radio...
Been too busy with work and remodeling of the house. Anyway,
kinda need to get up to speed here,,,
When is Straight Key night (info too??)
When is this years FYBO being held ???

(Fellow AZ Scqrptions,if you need help scoring logs or anything,let me = know...)

Any info here would be greatly appreciated.

Thanks very much!

ALSO,I would like to take this time, (WITHOUT CAUSING A THREAD!!!)
to wish everyone a Happy and Safe Holiday !

Thanks again

John

n9ukx

-----=_NextPart_000_0006_01BD0D18.0DC607A0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

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<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Greetings and salutations =

Gang.</DIV>

<DIV>Well,been a while since I have had =
time to read=20

some of the mail,let alone play radio...</DIV>

<DIV>Been too busy with work and =
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<DIV>kinda need to get up to speed=20
here,,,</DIV>

<DIV>When is Straight Key night (info=20
too??)</DIV>

<DIV>When is this years FYBO being held=20
???</DIV>

<DIV>(Fellow AZ Scqrptions,if you need =
help scoring=20

logs or anything,let me know...)</DIV>

<DIV> </DIV>

<DIV>Any info here would be greatly=20
appreciated.</DIV>

<DIV>Thanks very much!</DIV>

<DIV>ALSO,I would like to take this time, =

(WITHOUT=20
CAUSING A THREAD!!!)</DIV>
<DIV>to wish everyone a Happy and Safe =
Holiday=20
!</DIV>
<DIV> </DIV>
<DIV>Thanks again</DIV>
<DIV>John</DIV>
<DIV>n9ukx</DIV></BODY></HTML>

-----=_NextPart_000_0006_01BD0D18.0DC607A0--

Date: Sat, 20 Dec 1997 07:25:37 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [33249] Summary - Power Line Noise
Message-ID: <3.0.1.32.19971220072537.00696eb4@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who replied and offered suggestions for dealing with the problem.

Here's a summary of the responses received for my question about power line noise.

- Determine if the noise is coming from inside or outside e.g., noise goes away
when it is wet, it's probably outside.
- Contact the Power Company and request their help.
- Assist the power company, if possible, by using DF techniques for locating the source(s) of the noise. Look for broken insulators, broken grounds, arcing, etc. (Use of a VHF receiver with a directive antenna may work better than an AM radio.)
- Use a noise cancelling receiving system to minimize the noise BEFORE it gets into your receiver. Use an external sensing antenna to detect the noise field from power lines. These products were suggested:
 - JPS ANC-4 antenna noise canceller (most recommended)
 - Buzz-not from Wilderness

- DeMaw QRM squasher

No comment on any of the MFJ products?

The most recommended DSP to also use as a post processor if desired:

- JPS NIR-12 DSP

72/73

Chuck, W5USJ

Rains County (pop 6900), TX - EM22cv

ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Sat, 20 Dec 1997 06:47:32 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: ukii@megsinet.net
Cc: qrp-l@Lehigh.EDU
Subject: [33250] Re: Straight Key Night??? FYBO ??
Message-ID: <199712201347.GAA00356@usr09.primenet.com>

Howdy!

John (N9UKX) wrote:

>

> When is Straight Key night (info too??)

Always 24 hours starting New Year's Eve. 7PM
Eastern 12/31 to 7PM Eastern 1/1 (0000Z-0000Z)
Get on and chat away! CQ SKN, and use "SKN" in
place of RST when giving reports (so it says
in QST - hmmm). Short "contest" QSOs discouraged.

> When is this years FYBO being held ???

Feb 7th, 1600Z to 0400Z (Saturday, 8AM-8PM west
coast, 11AM-11PM east coast). Set up those antennas
early, bring plenty of Swiss Miss with the little
bitty marshmallows. ;-) See ScQRPion Bob's (KI7MN)
webpage at <www.dancris.com/~ki7mn> for more info,
or email me directly.

> (Fellow AZ Scqrptions,if you need help scoring logs or anything,
> let me know...)

Will do! Thanks much for the offer!

> ALSO,I would like to take this time, (WITHOUT CAUSING A THREAD!!!)
> to wish everyone a Happy and Safe Holiday !

Likewise!!! Safe travelling to all! May the Fruitcake
of Happiness grace your doorstep! (I'm guessing that
would be Richard Simmons.... ;-))

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Sat, 20 Dec 1997 07:41:49 -0700 (MST)
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
To: qrp-l@Lehigh.EDU
Subject: [33251] "The Great XTAL Swap Page"
Message-ID: <Pine.A32.3.93.971220073630.33634A-1000000@srv1.freenet.calgary.ab.ca>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Check it out!

www.chubs.demon.co.uk/xtals.htm

The title pretty much says it all.

Better yet, prepare a list of *your* surplus crystals, and add it to the
page (so that I can pore over your goody trove while you aren't looking!)
While we are on the topic, anyone got any 2.2 to 2.4 or 5.55 to 5.8 MHz
crystals sitting around?

Thanks!

John

Date: Sat, 20 Dec 1997 10:03:32 -0500
From: "William C. Robbins" <billrobb@net-link.net>
To: qrp-l@Lehigh.EDU
Subject: [33252] FS: Mini Key

Message-ID: <199712201503.KAA03092@serv01.net-link.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I have for sale a miniature CW key. It has a tear-drop button, a wrinkle paint slide-on cover and a pre-wired heavy duty cable for connection. It also has the button on top of the slide-on cover for the leg strap...INCLUDED. This is military and very unique.

\$38 shipped.

Happy Holidays

Bill

Heathkit Collector

WA8CDU formally WN8CDU

Date: Sat, 20 Dec 1997 07:10:12 -0800 (PST)

From: Stanley Wilson <microres@crl.com>

To: Chuck Carpenter <w5usj@webwide.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [33253] Re: Summary - Power Line Noise

Message-ID: <Pine.SUN.3.91.971220070734.11324B-100000@crl5.crl.com>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

In our area (St Louis) the power company uses DF techniques on Ch 11 (TV).

If you can see horzonial lines that look like code running across your TV screen it is normally the power lines. Also the noise will be very local. Only radiates a few blocks. They will gladly repair the insulators.

They will come much more quickly if you have TV interference than short wave radio problems.

de stan ak0b

Date: Sat, 20 Dec 1997 10:29:17 -0500

From: "JakeCart" <JakeCart@ix.netcom.com>
To: <QRP-L@Lehigh.EDU>
Subject: [33254] Pixie II's Progress -- week 2
Message-ID: <199712201528.JAA23781@dfw-ix9.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Yesterday (12/19) was the end of the second week of my Pixie II efforts. Not as many QSOs this week -- between my daughter's 4th birthday, getting ready for Christmas and recovering from colds, not much time to call CQ. Thanks to those who offered to set up a sked -- afraid I'm not too reliable right now -- should improve after the holidays.

But it was a good week. I worked a new state -- Ohio -- and worked 2 Canadian amateurs in Ontario -- a new province for my Pixie. I also received some confirmations -- now have 6 states confirmed.

Some interesting info regarding some of the 18 QSOs on my Pixie II. One was a Pixie to Pixie (at least the transmitter sections) QSO with WA3WAW in PA. Another was a 522 mile QSO on a total of 550 milliwatts (200 for me and 350 for K5TF). Do we qualify for a 2000 miles per watt award for that one?? :-)

If any of you hear a little 200 milliwatt signal calling CQ on 7.0405, or so, at odd hours over the next couple weeks give please give it a return call -- its probably me looking for the other 40 states and 98 DXCC countries -- or should I be looking for the other 3000 plus counties?? :-)

Hope you all have a Happy Holiday Season.

73,

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 48/47 (need HI and MS)
WAS QRPp W/C 10/6 (200 milliwatts on a Pixie II / MRX-40 / Tick Keyer
combo)
DXCC-Pixie W/C 002/001

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

Date: Sat, 20 Dec 1997 09:45:09 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: w5usj@webwide.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33255] Re: Summary - Power Line Noise
Message-ID: <349BE805.E11DC252@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Carpenter wrote:

>
> Thanks to all who replied and offered suggestions for dealing with the
> problem.
>
> Here's a summary of the responses received for my question about power line
> noise.
>
> - Determine if the noise is coming from inside or outside e.g., noise goes
> away
> when it is wet, it's probably outside.
>
> - Contact the Power Company and request their help.
>
> - Assist the power company, if possible, by using DF techniques for
> locating the source(s) of the noise. Look for broken insulators, broken
> grounds, arcing, etc. (Use of a VHF receiver with a directive antenna
may
> work better than an AM radio.)
>
> - Use a noise cancelling receiving system to minimize the noise BEFORE it gets
> into your receiver. Use an external sensing antenna to detect the
noise
> field from power lines. These products were suggested:
>
> - JPS ANC-4 antenna noise canceller (most recommended)
>
> - Buzz-not from Wilderness
>
> - DeMaw QRM squasher
>
> No comment on any of the MFJ products?
>
> The most recommended DSP to also use as a post processor if desired:
>
> - JPS NIR-12 DSP

And, IMHO, if none of the first work, do the last . . . It will!

--

73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Sat, 20 Dec 1997 10:45:09 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [33256] Good DX
Message-ID: <3.0.1.32.19971220104509.00694f94@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's Raining here! No local noise!

Worked OZ1EU0 this morning, 4 W (Sat, 1400 UTC) - great! Also heard a 7Z1---

Rain is supposed to last about 3 days here.

72/73
Chuck, W5USJ
Rains County (pop 6900), TX - EM22cv
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Sat, 20 Dec 1997 11:17:46 -0600
From: Jim Parsons <k5rov@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [33257] Beginners use QRP?
Message-ID: <3.0.3.32.19971220111746.007a67d0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was reading a copy of QST, dated November, 1983, when I came across the editorial page, "It Seems To Us", written by David Sumner, K1ZZ. I wonder if it was really true then, and if it is now? Maybe so! I don't know.

"One thing we don't recommend to the rank beginner is QRP (10 watts or less). Your first antenna is likely to be a simple affair, of a piece of wire and a couple of insulators, and this, combined with a lack of experience, is going to provide enough of a challenge. Once you have some experience under your belt, you may find, as have thousands of others, that you derive more satisfaction when operating within self-imposed power limits than when using the "full gallon". But, get the experience first."

James (Jim), Parsons, K5ROV USAF, Ret.
k5rov@worldnet.att.net QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Sat, 20 Dec 1997 12:16:54 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [33258] Re: Straight Key Night??? FYBO ??
Message-ID: <7c0f819b.349bfd88@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Howdy gang...

What is FYBO..? Being new to THE LIST some of the acronyms are lost on me. And while I've got your ear.... Is there a file available to download that details the rules and regs for the fox hunts and the SKN and FYBO, etc...?

And by the way - I've tried all the many suggestions and alternatives to get into the QRP web page. No luck! No luck through AOL, CompuServ nor through my company's IntraNet access. But thanks for all of you who tried to help.

Date: Sat, 20 Dec 1997 12:06:31 EST
From: Robsparks <Robsparks@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [33259] FS Filter frenzy
Message-ID: <dc041a8c.349bfb1c@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have four filters which I would like to sell as package deal for \$100,

shipped. The Timewave works, I am reasonably certain that at least one of the two Mizuho's work, and the MFJ, though it has been back to Mississippi twice, finally works too. But there are guarantees on anything except that if you are satisfied with them, you may return all of the filters and I will return your money. Here they are:

- 1) MFJ-752B Dual tunable SSB/CW filter
- 2) Two Mizuho active audio filters: freq, bandwith, notch.
- 3) Timewave - Can you believe this: no model number! Is in great shape, though, and works well.

Or will trade all of the above for a narrow CW filter for my Kenwood 450.

Please email if you are interested.

Thanks,

Robert Sparks QRP-List #185

Date: Sat, 20 Dec 1997 09:56:31 -0800
From: Dan Hogan <dh Hogan@lightside.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33260] Re: Beginners use QRP?
Message-ID: <3.0.3.32.19971220095631.007b5e30@mail.lightside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I tend to agree with that. Learning how to operate, trying to up grade, and QRP operating all at the same time can be very frustrating. BUT, in 1983 we didn't have QRP-L and the FOX HUNT to help.

At 11:17 AM 12/20/97 -0600, Jim Parsons wrote:

[Snip]

>"One thing we don't recommend to the rank beginner is QRP (10 watts or
>less). Your first antenna is likely to be a simple affair, of a piece of
>wire and a couple of insulators, and this, combined with a lack of
>experience, is going to provide enough of a challenge. Once you have some
>experience under your belt, you may find, as have thousands of others, that
>you derive more satisfaction when operating within self-imposed power
>limits than when using the "full gallon". But, get the experience first."

Dan Hogan WA6PBY
ARRL-VE, QRP-L #558, 8-QRP Clubs
(1)dhhogan@lightside.com
(2)dhhogan@concentric.net

Date: Sat, 20 Dec 1997 13:16:35 -0500
From: "Greg Heath-kb2qqm" <kb2qqm@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [33261] BATTERY PACKS AND AIRLINES???
Message-ID: <0159e04171814c7UPIMSSMTPUSR02@email.msn.com>

Hi, gang.....im leaving NY here where i live to go visit family in Northern Illinois and will be packing up my qrp station to travel. i have never taken a complete station with me including the battery. Anybody know the rules for taking batteries on aircraft. I am guessing they only let nicads and/or gel cells...does anyone know....i leave on tuesday for Chicago. Soon to be kb2qqm/9 Greg

operation on 40 and 20m with the Sierra and an attic dipole, 2 watts. wish me luck.
any qrp'ers in the Fox River Grove/Barrington/Lake Zurich area.?

Date: Sat, 20 Dec 1997 10:39:31 -0800
From: R Wilkerson <richqrp@home.com>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33262] Re: Straight Key Night??? FYBO ??
Message-ID: <349C10E3.25DD0434@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe Gervais wrote:
>
> Howdy!
>
> John (N9UKX) wrote:

.

>
> > When is this years FYBO being held ???
>
> Feb 7th, 1600Z to 0400Z (Saturday, 8AM-8PM west
> coast, 11AM-11PM east coast). Set up those antennas
> early, bring plenty of Swiss Miss with the little
> bitty marshmallows. ;-) See ScQRPion Bob's (KI7MN)
> webpage at <www.dancris.com/~ki7mn> for more info,
> or email me directly.
>
> Cheers de AB7TT,
>
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
> "If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

OK Joe, number one is he wanted to know "what" was FYBO??
Every Everybody knows that FYBO stands for:

....."Finest, Youngest, Best Operators".....
-- (at heart)

Happy Holidays
Rich Wilkerson / WD6FDD / Santee, CA.
73's & 72's

Date: Sat, 20 Dec 1997 13:13:41 -0600 (CST)
From: "Earl W. Murphy" <aa385@gpfn.sk.ca>
To: Stanley Wilson <microres@crl.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33263] ,GX+YCR: Summary - Power Line Noise
Message-ID: <Pine.SOL.3.91.971220131328.20084A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=ISO-8859-1
Content-Transfer-Encoding: QUOTED-PRINTABLE

=A30n Sat, 20 Dec 1997, Stanley Wilson wrote:

> In our area (St Louis) the power company uses DF techniques on Ch 11 (TV)=
> .
>=20
> If you can see horzonial lines that look like code running across your TV=
>=20
> screen it is normally the power lines. Also the noise will be very=20

> local. Only radiates a few blocks. They will gladly repair the=20
> insulators. =20
>=20
> They will come much more quickly if you have TV interference than short=
=20
> wave radio problems.
>=20
> de stan ak0b
>=20
>=20
>=20

Date: Sat, 20 Dec 1997 14:37:26 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L messages <QRP-L@Lehigh.EDU>
Subject: [33264] FOX: N/T Fox Results Dec 20, W2MBY
Message-ID: <349C1E75.15DD@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had fun last night. At first I thought it was going to be very tough getting any contacts. I couldn't find a quiet spot on the band. But despite the noise, received signals were almost as good as those I sent, and this is the first time for this. It was also the first time where I got a good number of solid contacts during the second hour. So conditions were unusual. Halfway through the hunt, several other QSOs in progress showed up on frequency, and then faded away. With QSB and varying noise, I did ask for repeats often. Eventually the QSB and noise would both reduce at the same time, and the QSO then would be completed. So you don't have to have perfect conditions to have fun, but its nice to have some decent contacts. 14 hunters got me, 5 for the first time. Congrats to KF4EW0 if you are on the list. I noticed on www.qrz.com that you got your General a few days ago.

FREQ	UTC	CALL	SNT REC	ST NAME	RIT
7141	00:06	VE5RC	229 339	SK BRUCE	-260
7141	00:25	N7KT	549 549	AZ ROGER	80
7141	00:27	K5ID	549 569	AR KEN	70
7141	00:43	N1TP	559 559	FL TOM	20
7141	00:50	KJ7ZU	439 579	WA ROY	-40
7140.5	01:01	KQ0I	339 559	IA MARK	140
7140.5	01:05	NI0A	439 569	MN JOHN	110
7140.5	01:08	NQ7X	339 559	AZ FLOYD	250
7140.5	01:20	AC5JH	229 229	LA TOM	60

7140.5	01:22	N5ALO	229 229	TX BILL	40
7140.5	01:29	KU7Y	219 559	NV RON	50
7140.5	01:34	W0RW	559 579	CO PAUL	0
7140.5	01:41	KF4EWO	439 449	MS BRIAN	60
7140.5	01:58	WB0ROQ	229 579	MO HARLEY	0

The RIT column is compliments of my Dad. Because of the noise I could not go very far off of my frequency. My Dad says you can tell who zero beats my signal, and who zero beats the last hunter. During my brief "runs", the guy who zero beated the last hunter got the Fox.

I managed to get N0EL just before the Hunt. The operator must have been a QRPer, (N7KT ?), because the OP was really listening.

I'm going to try another unscheduled N/T Hunt before the end of the year. I will post the date/time soon.

72,

John, W2MBY
(11 years old)

Date: Sat, 20 Dec 1997 14:46:38 -0800
From: "Floyd Soo, W8RO" <hires@rust.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [33265] Re: Beginners use QRP?
Message-ID: <349C4ACE.25CC@rust.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Parsons wrote:

>
> I was reading a copy of QST, dated November, 1983, when I came across the
> editorial page, "It Seems To Us", written by David Sumner, K1ZZ. I wonder
> if it was really true then, and if it is now? Maybe so! I don't know.
>
> "One thing we don't recommend to the rank beginner is QRP (10 watts or
> less). Your first antenna is likely to be a simple affair, of a piece of
> wire and a couple of insulators, and this, combined with a lack of
> experience, is going to provide enough of a challenge. Once you have some
> experience under your belt, you may find, as have thousands of others, that
> you derive more satisfaction when operating within self-imposed power
> limits than when using the "full gallon". But, get the experience first."

>
> James (Jim), Parsons, K5ROV USAF, Ret.

I and many in USECA that are active with QRP to one extent or another, do agree with Dave's comments. Of course, it is not a strict guideline, but in general, his comments are meritorious.

Happy Holidays!

--

Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Net Manager and Board Member, Collins Collectors Association (#002)
QRP-L #392
hires@rust.net
<http://www.rust.net/~hires>

Date: Sat, 20 Dec 1997 12:52:15 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: DENNISMO@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [33266] Re: Straight Key Night??? FYBO ??
Message-ID: <199712201952.MAA12150@usr09.primenet.com>

Howdy!

Dennis wrote:

>
> What is FYBO..? Being new to THE LIST some of the acronyms are lost on me.

FYBO is the "Freeze Your B_____ Off" Winter QRP Field Day, sponsored by the AZ ScQRPions. It's our sick and twisted idea of a good time. ;-)

Figure heck, Field Day is technically an "emergency preparedness drill", right? But they always do it in June when the wx is typically nice. Wimps! :) We all know that most of the real disasters happen when the wx is cold and awful. Except for Seattle, not many cities are thrown into havoc by sunshine and fair wx. ;-)

So who would be up to the challenge? Who better than the Masters of Adversity, the Intrepid Improvisors, The Sharpest Ops in the Land - the Few, the Proud, the QRPers!

This is our second year doing FYBO, and should be every bit as fun as the first. Part of the fun is that the colder your operating temperature, the higher your Temp Multiplier, so those braving the elements are duly rewarded. Also since your current temp is part of the exchange, you get to see who's living like a penguin and who's warming their toes by the fireplace. :)

You don't have to be in the field to join the fun, of course! Somebody has to be home, passing out warm temps and words of encouragement to the Frozen Chosen. :)

Now before you go accusing us 'Zonies of having it easy, last year three of us camped for two nights on a 7000 ft ridge in search of cold wx. We weren't disappointed - low was 22F both nights. Icicles on the inside of the tent. :)

This year a bunch of NM and AZ QRPers will descend on the snowy White Mountains of eastern AZ between 7000-9000+ ft. Not to be outdone, the MN (Minn.) QRPers are planning to operate in the frozen woods. Some UT QRPers are scouting good sites, and Bob (N4BP) in FL is probably loading up on extra sunscreen and Bermuda shorts as we speak. :)

The key word is FUN! Whatever it takes to make it FUN (and *safe*) for you, go for it! Bring the kids/grandkids and have 'em make snowmen for a multi-op station! Bring the dog to pull the little ones on their sleds! All that and you get to work HF QRP too! Just doesn't get any better than that. :) Remember to take lots of pictures, or folks may not believe your stories of FYBO adventure.... Then again, who are *they* to question the word of the brave FYBO op? ;-)

Sure hope to hear you out there! We ScQRPions guarantee a good time, or your money back. ;-)

> And while I've got your ear.... Is there a file available to download that
> details the rules and regs for the fox hunts and the SKN and FYBO, etc...?

I'll email a copy of the rules right after this note.
They'll also be in various publications (QST, WorldRadio, etc).

> And by the way - I've tried all the many suggestions and alternatives to get
> into the QRP web page. No luck! No luck through AOL, CompuServ nor through
> my company's IntraNet access. But thanks for all of you who tried to help.

Hmmm. Can you access *any* web pages at all? HTML files on AOL don't count - can you make it to www.yahoo.com?

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Sat, 20 Dec 1997 13:01:24 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [33267] Re: Straight Key Night??? FYBO ??
Message-ID: <199712202001.NAA12372@usr09.primenet.com>

Howdy Folks,

Rich (WD6FDD) wrote:

>
> Every Everybody knows that FYBO stands for:
>
> "Finest, Youngest, Best Operators"
> -- (at heart)

chuckle Yes, that too. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Sat, 20 Dec 1997 12:22:00 -0800
From: David Smith <qrp-dave@ocsnet.net>
To: QRP-L@Lehigh.EDU
Subject: [33268] Beginners and QRP
Message-ID: <B00000299063@ocsnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear friends--

With reference to the current thread on beginners and QRP, I would agree wholeheartedly with the comments that have been made. I would, however, add one important item--associate with QRP'ers. Through that, you will learn operating skills that will help you when your work "with the full gallon," and you'll learn about the most wonderful part of Hamming!

73,
QRPDave
KE6PUF

Date: Sat, 20 Dec 1997 15:58:01 PST
From: jalbertin@juno.com (Jerry Albertin)
To: qrp-1@Lehigh.EDU
Subject: [33269] help ordering crystal
Message-ID: <19971220.155809.4751.0.JAlbertin@juno.com>

I have been trying to obtain crystals for a qrp rig I recently acquired (peanut whistle II by DWM communications). I contacted Jan Crystals via the telephone hoping to order crystals for specific frequencies however I was unable to provide the information they requested. I experienced a similiar problem when examining the catalog from International Crystal Manufacturing Company.

Today, I went to the local library and studied articles in several ARRL Handbooks and was even more confused. (Apparently I have a lot to learn!)

I know the rig works as I was able to obtain a 7.092 crystal and load my g5rv while monitoring it with my TenTec C/21. While is is not a popular qrp cw frequency I wanted to test the little guy out.

I have ordered the 40 meter crystals offered by NorCal but would like to obtain others (especially around 7.140)

How does one go about doing this? Can someone teach me "crystal odering for qrp rigs 101"?

Thanks.....Jerry kg2jf

Date: Sat, 20 Dec 1997 16:17:07 EST
From: PGSPersEng <PGSPersEng@AOL.com>
To: qrp-l@Lehigh.EDU
Subject: [33270] 38S Compendium
Message-ID: <1bab8a69.349c35d5@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

A huge THANK YOU to Ed, WE6W, for compiling the various 38 Special postings. I have one of them built bare waiting for mods, with another waiting for me to get everything debugged so I can build the "production model." I've been meaning to try and get a good collection of the mods from the list, but Ed just saved me a ton of work. A wonderful Christmas present from QRP-L

Happy Holidays, a prosperous New Year and lots of sunspots to everyone!

Paul, AA1MI
Rye, NH
QRP-L #360

Date: Sat, 20 Dec 1997 15:26:42 -0600
From: launerb@crl.com (William H. Launer)
To: qrp-l@Lehigh.EDU
Subject: [33271] Re: Beginners use QRP?
Message-ID: <v01530501b0c1de76573f@[192.0.2.1]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

When I was first licensed as a novice in 1970, novices were limited to 75 watts INPUT to the final. I ran about 40 - 50 watts input to an ARC-5 xmtr on 80 meters, and had a ball. My power output couldn't have been much more than 20 - 25 watts. Starting with an ARC-5 rcvr, then graduating to an HQ-170, I found that usually "if I could hear them, I could work them". My QRPI membership (22 May 1972) defined qrp as 100 watts or less INPUT. The qrp definition has changed, but most novices weren't running much more power output than we now define as qrp.

I agree that 5 watt (or less) qrp operation may be frustrating to a beginner. Regardless of the output power a beginner chooses to run, my recommendation is to make sure that the rig he/she uses has adequate cw receive selectivity and sensitivity. There is nothing that will discourage a newcomer more than a poor receiver!

72/73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

Date: Sat, 20 Dec 1997 16:27:36 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Jim Parsons <k5rov@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33272] LONG (but GOOD) Reply Was: Beginners use QRP?
Message-ID: <Pine.OSF.3.95.971220154645.11793A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 20 Dec 1997, Jim Parsons wrote:

> I was reading a copy of QST, dated November, 1983, when I came across the
> editorial page, "It Seems To Us", written by David Sumner, K1ZZ. I wonder
> if it was really true then, and if it is now? Maybe so! I don't know.
>
> "One thing we don't recommend to the rank beginner is QRP (10 watts or
> less)...

It was, is, and always will be true... but not for the reason that many
die-hard QRPers would think!

The QRP op's dirty little secret is...

There really is no "skill" involved in sending a low power signal... you
simply crank down the power, CBers have been running QRP (well most of
them) for years. As an experienced QRPper, you know you can make plenty of
QRP contacts, just not quite as many as when you are at 100W, or a KW
(check any contesters if you have doubts).

The REAL skill comes with HEARING QRP signals. THIS is what separates
us from the unwashed masses running QRO. THIS is what makes operating
events such as the FOXHUNT, a TWO-WAY QRP contact, so fantastic. THIS is
why we have goofy little PIXIES, 49ers, and SSTs on the air while the "big
rig" - in my case a Corsair I, an FT-900, and several Triton IVs - often

sit idle in the background.

Now, remember being a Novice? Well, it's 1997/8 and the upper bands are still pretty dead for another year or two, so you'll live on 80M or 40M if you want to make contacts. 40M novice contacts are already very difficult with the broadcasters on there every 10Kc. - Strike One.

You are a new ham... you are in the novice bands... you are MORE THAN LIKELY only going to find other new hams to talk with. Nobody has a heck of a lot of experience hearing CW signals anyways - Strike Two.

Now add a QRP transmitter to the mix? Strike Three. Not impossible mind you, but why make life harder than it has to be when you're just starting out anyways? Again, it's NOT the QRP op that is really the problem, but the poor novice on the far end who'll either not hear your reply to their CQ or not CARE to go back to a weak signal. Cruel but true.

Unfortunately, QRP is very appealing to new hams when faced with the sticker shock of the current rig-of-the-month. I believe it is more important to the new ham to make as many contacts as possible, as easily as possible, and get upgraded. A good used rig that can later be sold for what the new ham spent for it is the best way to go.

My only real worry is that a new op may tire quickly of the hobby when faced with the challenges associated by QRP operation.

So yes I agree completely with Dave's 1983 article. QRP is not for the newcomer and in addition, it's not for everyone. This is a statement I beleive was, is, and always - will be true.

vy 73! =paul= W8KC
Collector of TenTecs and other fine plastics.

Date: Sat, 20 Dec 1997 15:07:59 -0700 (MST)
From: ki7mn@dancris.com
To: qrp-l@Lehigh.EDU
Subject: [33273] Beginner's Guide to Making CW Contacts
Message-ID: <199712202207.PAA07114@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, lo and behold, today the page came up. Thanks to all who gave me pointers to other sites, as well. This time I've saved the page, and will post it on mine, with credit to the author, of course, so it will be even

more available .

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30

<http://www.dancris.com/~ki7mn>

Date: Sat, 20 Dec 1997 15:12:20 -0700 (MST)

From: ki7mn@dancris.com

To: n2mnn@spacegate.com

Cc: qrp-1@Lehigh.EDU

Subject: [33274] Re: FOX: N/T Fox Results Dec 20, W2MBY

Message-ID: <199712202212.PAA07412@dancris.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 02:37 PM 12/20/97 -0500, you wrote:

>I had fun last night.

>I managed to get N0EL just before the Hunt. The operator must have been
>a QRPer, (N7KT ?), because the OP was really listening.

>

>I'm going to try another unscheduled N/T Hunt before the end of the
>year. I will post the date/time soon.

>

>

Glad you had fun, John. Yup, that was Roger at the paddles as N0EL. I tried to catch you just after he did in the hunt, and you came back a couple of times, but I couldn't get a clear enough shot to make the exchange. It was fun to try, and good to hear you. Maybe next time.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30

<http://www.dancris.com/~ki7mn>

Date: Sat, 20 Dec 1997 17:38:08 -0500

From: David Ward <dward@kos.net>

To: qrp-1@Lehigh.EDU

Subject: [33275] Want Info on NW80 Kit

Message-ID: <349C48D0.9A24BBBE@kos.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I am about to purchase my first QRP kit and am thinking of the NW80/20 80 Meter kit from Dan's Small Parts. Does anyone have an opinion/experience with this kit good or bad?

Thanks.

Dave VE3BIP

Date: Sat, 20 Dec 1997 15:41:20 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: n2mnn@spacegate.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33276] Re: FOX: N/T Fox Results Dec 20, W2MBY
Message-ID: <349BE720.DF461F17@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W2MY & W2MBY wrote:

> I managed to get N0EL just before the Hunt. The operator must have been
> a QRPer, (N7KT ?), because the OP was really listening.
>

Yup, that was me. I spent the first of four hours as N0EL in the N/T portion, and just as I was abt to leave there to give you some space, I heard you answer my CQ. Nice going, John. Band condx at my end were terrible, but you hung in there.

Came back later to bag you as the Fox under my own call. First N/T Fox this year.....thanks!

Your score of 14 is great....I only got 10 in four hours, some of whom are old friends from the List. 4 watts to an inverted vee near a crummy power line transformer wasn't the way to do it, but I couldn't move my position.

Anyway, glad to hear that you did well. Hang in there....you've shown you can hold your own with the rest of us.

72 and Merry Christmas....Roger

--

72/73, de Roger, N7KT

Date: Sat, 20 Dec 1997 17:48:53 -0500 (EST)
From: bruce muscolino <w6toy@pop.erols.com>
To: QRP-L@Lehigh.EDU
Subject: [33277] It's the time of the season... for a group buy!
Message-ID: <2.2.16.19971220184044.20ef34da@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Those of you who have followed my columns in The QRP Quarterly know how strongly I recommend each of you build your own library of technical references that you can refer to when you have questions. As I see it, good technical library includes back issues of amateur radio magazines and basic reference books like the ARRL Handbook and others. Over the last couple of years it has become easier to put together such a library than ever before.

In response to pleas from hams like myself, the ARRL has begun to develop a reference library on CD-ROM. Now you can have your reference library on a small shelf rather than the three floor to ceiling cabinets that line my "work room"! And let me tell you how much fun it was moving several hundred pounds of magazines each time I moved!

Recently I decided I'd like to get rid of the cabinets, so I started talking with Bill Kelsey at Kanga, USA, about the idea of a group buy of these ARRL CD-ROM references. Bill has worked out an attractive pricing schedule for not only the QST CD-ROMS, but some other ARRL products as well.

If you're joining the NorCal 2N2222 design contest, or Chuck Adams' own design contest right after that, think of how valuable the material in those back issues of QST could be; but, what do you do if you didn't start buying QST back in 1952? Also, think of how much easier the ARRL Radio Designer package would be in working up your design!

Look at what Bill is offering...

The QST CD-ROMs at \$32.00 per set including shipping.

The ARRL Handbook on CD-ROM for \$43.00 including shipping.

The Amateur Radio Designer package for \$130.00 including shipping.

I think you'll agree these are attractive prices for these valuable reference materials.

To make this group buy a reality Bill needs to receive your order by January 3rd, 1998.

He will place the order with the ARRL on January 4th and ship about January 12th!

Orders should be sent directly to:

Kanga US
Bill Kelsey
3521 Spring Lake Dr.
Findlay, OH 45840

You can pay with a Check, a Money Order, or VISA/Mastercard

You can even leave your credit card orders on Bill's answering machine at 419-423-4604 or send them via the internet to his e-mail address <kanga@mail.bright.net>.

Orders will be shipped by Priority Mail.

Overseas orders will need to add the difference in shipping costs. Bill will ship those orders airmail.

And, a final disclaimer. I have no financial interest in the group buy. I do not work for Bill Kelsey or Kanga, USA. I am a dedicated believer in the value of a good reference library in every ham's workshop!

73,

Bruce -- W6TOY/3
Still QRP, Really! (c)

Date: Sat, 20 Dec 1997 15:42:51 -0600
From: "Johnson" <johns516@maroon.tc.umn.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [33278] PSPICE and Micro Cap V
Message-ID: <349c4b9025a5017@mhub1.tc.umn.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

If you are a PSpice user and want to see a "WOW !", you really should take a look at Micro-Cap V from Spectrum Software. A demo version is available on their Web site:

<http://www.spectrum-soft.com/>

Try it! Run the demo. Fantastic! Incredible! You can even use the mouse to point to a pin on the schematic and see the waveform for that point on the "oscilloscope" . This is all shown in the automatic demo. Just sit back and watch it. Cool, huh?

Of course, it is PSpice compatible.

I have been struggling with PSpice, trying to re-draw the NorCal 38 Special schematic with my modifications. I don't need to actually simulate it, but just want to have a nice drawing. Of course I hit quickly hit the 25-part limit and was stopped dead in my tracks. Nuts! In addition, I really like to use some of my own electrical symbols to get special sizes and pinout locations. I did make some of them with PSpice (such as an NE602), but I found the symbol drawing to be very tedious and "quirky".

Then I came across Micro-Cap. The demo version DOES have a part limit (50), but it only applies to the simulation. You can draw any kind of complicated schematic you want, using as many special symbols as you want. I have drawn the 38 Special with no problems. The symbol drawing utility is wonderful, IMHO.

It will be fun to use this product to design and simulate some 2N2222 stages.

The price for Micro-Cap V is \$3495. Maybe not cheap, but neither is PSpice.

(I have no connection with the company, but really like the product!)

73,

- Craig, AA0ZZ

Date: Sat, 20 Dec 1997 15:19:41 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Jerry Albertin <jalbertin@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [33279] Re: help ordering crystal
Message-ID: <Pine.SUN.3.90.971220151750.28160A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jerry,

I have had a couple of radios that needed xtals and I didn't know what was needed.

I just sent a copy of the schematic to Jan Crystal and they did the rest.

But that was before internet and qrp-l. I'll bet that someone will come up with the xtal info you need.

Good luck,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 20 Dec 1997 18:38:51 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [33280] Safety Manager
Message-ID: <01bd0da0\$6d10fc00\$175445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I am wondering if any other QRPers out there do the same job as I do, Safety Manager. If so please drop me a e-mail.

Happy Holidays!
73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net

BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

QRP # 5318 G-QRP # 3031 AK/QRP #309
10-10 # 13173 QRP-L # 1099

Date: Sat, 20 Dec 1997 16:46:00 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33281] Re: Beginner's Guide to Making CW Contacts
Message-ID: <01bd0da1\$6d085400\$1222a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It quit again Bob. Saturday, 1140 UTC. Page not found.

Will keep trying...

72

Ron

-----Original Message-----

From: ki7mn@dancris.com <ki7mn@dancris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, December 20, 1997 3:09 PM
Subject: Beginner's Guide to Making CW Contacts

>Well, lo and behold, today the page came up. Thanks to all who gave me
>pointers to other sites, as well. This time I've saved the page, and will
>post it on mine, with credit to the author, of course, so it will be even
>more available .

>72,73

>Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30

><http://www.dancris.com/~ki7mn>

>

>

>

End of QRP-L Digest 945

